
MIRAGE (TM)

Release 3.1a John F. Collins, Biocomputing Research Unit.
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MPSrch_PP protein - protein database search, using Smith-Waterman algorithm
Run on: Thu Jan 13 09:31:42 2000; MasPar time 6.33 Seconds
Tabular output not generated. 698.067 Million cell updates/sec

Title: >US-08-978-217-16
Description: (1-371) from US08978217.pep
Perfect Score: 2706
Sequence: 1 MAATCEISNVFSNYFNAMYS.....YKFGKNSGKWEVGEGRN 371

Scoring table: PAM 150
Gap 11

Searched: 122461 seqs, 11912985 residues

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database: a-issued
1:5A_COMB 2:5B_COMB 3:PCT9_COMB 4:backfile1

Statistics: Mean 33.305; Variance 155.589; scale 0.214

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description	Pred. No.
1	2387	88.2	371	2	US-08-746-Sequence 2, Applicatio	6.63e-204
2	353	13.0	80	2	US-08-469-Sequence 15, Applicatio	7.17e-20
3	353	13.0	521	1	US-08-368-Sequence 2, Applicatio	7.17e-20
4	353	13.0	581	1	US-08-368-Sequence 4, Applicatio	7.17e-20
5	331	12.2	79	2	US-08-469-Sequence 12, Applicatio	5.33e-18
6	310	11.3	555	2	US-08-780-Sequence 2, Applicatio	3.25e-16
7	306	11.3	543	2	US-08-469-Sequence 7, Applicatio	7.08e-16
8	299	11.0	548	2	US-08-469-Sequence 2, Applicatio	7.08e-16
9	299	11.0	81	2	US-08-469-Sequence 13, Applicatio	2.76e-15
10	292	10.8	78	2	US-08-469-Sequence 14, Applicatio	5.99e-15
11	287	9.9	78	2	US-08-469-Sequence 10, Applicatio	1.07e-14
12	267	9.9	78	2	US-08-469-Sequence 11, Applicatio	1.32e-12
13	204	7.5	81	2	US-08-469-Sequence 16, Applicatio	1.89e-07
14	110	4.1	522	2	US-08-625-Sequence 2, Applicatio	2.69e-00
15	101	3.7	1022	2	US-08-222-Sequence 27, Applicatio	1.12e+01
16	101	3.7	1022	2	US-08-222-Sequence 8, Applicatio	1.12e+01
17	94	3.5	310	3	PCT-US95-0-Sequence 6, Applicatio	3.32e+01
18	94	3.5	622	2	US-08-664-Sequence 2, Applicatio	3.32e+01
19	90	3.3	531	2	US-08-923-Sequence 12, Applicatio	6.09e+01
20	87	3.2	280	1	US-08-459-Sequence 8, Applicatio	9.53e+01
21	87	3.2	280	1	US-08-460-Sequence 8, Applicatio	9.53e+01
22	87	3.2	280	1	US-08-434-Sequence 8, Applicatio	9.53e+01
23	87	3.2	280	1	US-08-459-Sequence 8, Applicatio	9.53e+01

RESULT	ID	US-08-746-789A-2	STANDARD;	PRT;	371 AA.
24	87	3.2	370	1	US-08-460-Sequence 6, Applicatio
25	87	3.2	370	1	US-08-459-Sequence 6, Applicatio
26	87	3.2	370	1	US-08-459-Sequence 6, Applicatio
27	87	3.2	370	1	US-08-434-Sequence 6, Applicatio
28	87	3.2	397	1	US-08-459-Sequence 4, Applicatio
29	87	3.2	397	1	US-08-460-Sequence 4, Applicatio
30	87	3.2	397	1	US-08-434-Sequence 2, Applicatio
31	87	3.2	397	1	US-08-460-Sequence 2, Applicatio
32	87	3.2	397	1	US-08-459-Sequence 4, Applicatio
33	87	3.2	397	1	US-08-434-Sequence 4, Applicatio
34	87	3.2	397	1	US-08-459-Sequence 2, Applicatio
35	87	3.2	397	1	US-08-459-Sequence 2, Applicatio
36	87	3.2	614	3	PCT-US95-0-Sequence 21, Applicatio
37	86	3.2	645	2	US-07-968-Sequence 2, Applicatio
38	86	3.2	645	2	US-08-459-Sequence 2, Applicatio
39	86	3.2	658	3	PCT-US95-1-Sequence 2, Applicatio
40	87	3.2	958	1	US-08-426-Sequence 4, Applicatio
41	84	3.1	186	2	US-08-308-Sequence 4, Applicatio
42	84	3.1	186	3	PCT-US93-0-Sequence 4, Applicatio
43	84	3.1	186	3	PCT-US93-0-Sequence 4, Applicatio
44	85	3.1	890	1	US-08-145-Sequence 5, Applicatio
45	85	3.1	890	3	PCT-US94-0-Sequence 5, Applicatio

ALIGNMENTS

Sequence 2, Application US/08746789A

Sequence 2, Application US/08746789A

Patent No. 5789200

GENERAL INFORMATION:

APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck

TITLE OF INVENTION: A No. 5789200e1 Human ETS Family Member, ELF3

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Smithline Beecham Corporation

STREET: 709 Swedeland Road, P.O. Box 1539

CITY: King of Prussia

STATE: PA

COUNTRY: USA

ZIP: 19406-0939

COMPUTER READABLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE

COMPUTER: IBM 486

OPERATING SYSTEM: WINDOWS FOR WORKGROUPS

SOFTWARE: MICROSOFT WORD

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/746,789A

FILING DATE: No. 5789200e1 15, 1996

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: William T. Han

REGISTRATION NUMBER: 34,344

REFERENCE/DOCKET NUMBER: ATG 50024

TELECOMMUNICATION INFORMATION:

TELEPHONE: 610 270 5219

TELEFAX: 610 270 4026

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 371

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE 371 AA: 41588 MW; 688671 CN;

CC COUNTRY: USA
CC ZIP: 94111-3834
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/469,412A
CC FILING DATE: 05-JUN-1995
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Garrett-Mackowski, Eugenia
CC REGISTRATION NUMBER: 37,330
CC TELECOMMUNICATION INFORMATION:
CC REFERENCE/DOCKET NUMBER: 015280-229000
CC TELEPHONE: (415) 576-0200
CC TELEFAX: (415) 576-0300
CC INFORMATION FOR SEQ ID NO: 14:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 81 amino acids
CC TYPE: amino acid
CC STRANDEDNESS:
CC TOPOLOGY: linear
CC MOLECULE TYPE: peptide
CC FEATURE:
CC NAME/KEY: Domain
CC LOCATION: 1..81
CC OTHER INFORMATION: /note="Yan homologous region to
CC OTHER INFORMATION: ets-like ERF DNA-binding domain"
SQ SEQUENCE 81 AA; 9842 MW; 32867 CN;

Query Match 10.9%; Score 295; DB 2; Length 81;
Best Local Similarity 40.7%; Pred. No. 5,996-15;
Matches 33; Conservative 23; Mismatches 24; Indels 1; Gaps 1;
Db 1 LMDFLOQLNDNRKQYSDLLAMKCRGVRFKIVDPAGLAKLWGKQKHLNMTDKMSRAL 60
OY 275 LMDFIRDLIHPLEIN-BGLAKWENRHEGVFKFLRSEAVAOIMGOKKNSMTTEKUSRAM 333
Db 61 RYRYRVNLKRVQGERHCYQF 81
OY 334 RYRYKREILERVDRGLRVYKF 354
RESULT 11
ID US-08-469-412A-10 STANDARD; PRT; 78 AA.
XX
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DE Sequence 10, Application US/08469412A
XX
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CC Sequence 10, Application US/08469412A
CC Patent No. 5856125
CC GENERAL INFORMATION:
CC APPLICANT: Mavrothalassitis, George J.
CC APPLICANT: Blair, Donald G.
CC APPLICANT: Fisher, Robert J.
CC APPLICANT: Beal Jr., Gregory J.
CC APPLICANT: Athanasiou, Meropi A.
CC APPLICANT: Sgouras, Dionysios N.
CC TITLE OF INVENTION: The ERF Genetic Locus and Its Products
CC NUMBER OF SEQUENCES: 16
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Townsend and Townsend and Crew LLP
CC STREET: Two Embarcadero Center, Eighth Floor
CC CITY: San Francisco
CC STATE: California
CC COUNTRY: USA
CC ZIP: 94111-3834
CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/469,412A
CC FILING DATE: 05-JUN-1995
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Garrett-Mackowski, Eugenia
CC REGISTRATION NUMBER: 37,330
CC REFERENCE/DOCKET NUMBER: 015280-229000
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (415) 576-0200
CC TELEFAX: (415) 576-0300
CC INFORMATION FOR SEQ ID NO: 10:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 78 amino acids
CC TYPE: amino acid
CC STRANDEDNESS:
CC TOPOLOGY: linear
CC MOLECULE TYPE: peptide
CC FEATURE:
CC NAME/KEY: Domain
CC LOCATION: 1..78
CC OTHER INFORMATION: /note="ets-like ERF DNA-binding domain"
SQ SEQUENCE 78 AA; 9646 MW; 32940 CN;

Query Match 10.8%; Score 292; DB 2; Length 78;
Best Local Similarity 42.5%; Pred. No. 1,076-14;
Matches 34; Conservative 20; Mismatches 24; Indels 2; Gaps 2;
Db 1 LMHFIEILRKKEE-YGVYAMQGDY-GEFVINDPEVARLWGVKCKPQMTDKLSRALR 58
OY 275 LMHFIRDLIHPLEIN-BGLAKWENRHEGVFKFLRSEAVAOIMGOKKNSMTTEKUSRAM 334
Db 59 YYYNKRILIKTKGRPTYKF 78
OY 335 YYYKREILERVDRGLRVYKF 354
RESULT 12
ID US-08-469-412A-11 STANDARD; PRT; 78 AA.
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DE Sequence 11, Application US/08469412A
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CC Sequence 11, Application US/08469412A
CC Patent No. 5856125
CC GENERAL INFORMATION:
CC APPLICANT: Mavrothalassitis, George J.
CC APPLICANT: Blair, Donald G.
CC APPLICANT: Fisher, Robert J.
CC APPLICANT: Beal Jr., Gregory J.
CC APPLICANT: Athanasiou, Meropi A.
CC APPLICANT: Sgouras, Dionysios N.
CC TITLE OF INVENTION: The ERF Genetic Locus and Its Products
CC NUMBER OF SEQUENCES: 16
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Townsend and Townsend and Crew LLP
CC STREET: Two Embarcadero Center, Eighth Floor
CC CITY: San Francisco
CC STATE: California
CC COUNTRY: USA
CC ZIP: 94111-3834
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patentin Release #1.0, Version #1.30

CC TELEPHONE: (619) 535-9001
CC TELEFAX: (619) 535-8949
CC INFORMATION FOR SEQ ID NO: 2:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 522 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear
CC MOLECULE TYPE: protein
CC SEQUENCE 522 AA; 59092 MW; 1336685 CN;

Query Match 4.1%; Score 110; DB 2; Length 522;
Best Local Similarity 25.0%; Pred. No. 2.69e+00;
Matches 23; Conservative 28; Mismatches 33; Indels 8; Gaps 7;

Db 396 LSYIRLAVRAAFDQRMKTQWQDAQTLOKKREARLILMANKPKLQAKDEILE 455
QY 275 LWFIFIRDI-LIHPELNEGMLKMKENRHEGVKFKYRS-EAVAOI-WGOK-KKNSMTYEKLS 330
DB 456 WESRVTYQERDF-ERISTVYRKVEYRFEKES 486
QY 331 RAMRYI-YKREILERVDC--RLVYKFGKNS 359

RESULT 15
ID US-08-222-715B-27 STANDARD; PRT; 1022 AA.
XX xxxxxx
XX
XX
XX
DE Sequence 27, Application US/08222715B
CC Patent No. 3834285
CC GENERAL INFORMATION:
CC APPLICANT: Comb, Donald G.
CC APPLICANT: Perl, Francine
CC APPLICANT: Kucera, Rebecca
CC APPLICANT: Jack, William E.
CC TITLE OF INVENTION: RECOMBINANT THERMOSTABLE DNA
CC NUMBER OF SEQUENCES: 27
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS.
CC ADDRESS: INC.
CC STREET: 32 TOZER ROAD
CC CITY: BEVERLY
CC STATE: MASSACHUSETTS
CC COUNTRY: US
CC ZIP: 01915
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: Patent Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/222,715B
CC FILING DATE: 04-APR-1994
CC CLASSIFICATION: 536
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 08/167,238
CC FILING DATE: 15-DEC-1993
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 07/686,340
CC FILING DATE: 17-APR-1991
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 07/626,057
CC FILING DATE: 11-DEC-1990
CC PRIOR APPLICATION DATA:
CC APPLICATION NUMBER: US 07/513,994
CC FILING DATE: 26-APR-1990
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Williams, Gregory D.

CC REGISTRATION NUMBER: 30901
CC REFERENCE/DOCKET NUMBER: NEB-054C3FC2
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (508) 927-5054
CC TELEFAX: (508) 927-1705
CC TELEX:
CC INFORMATION FOR SEQ ID NO: 27:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1022 amino acids
CC TYPE: amino acid
CC STRANDEDNESS: unknown
CC TOPOLOGY: unknown
CC MOLECULE TYPE: protein
CC SEQUENCE 1022 AA; 118449 MW; 5533717 CN;

Query Match 3.7%; Score 101; DB 2; Length 1022;
Best Local Similarity 32.8%; Pred. No. 1.12e+01;
Matches 22; Conservative 17; Mismatches 20; Indels 8; Gaps 8;

Db 691 GLIKLPQIEYTD-WERLKYKQL-YEKLAGSVKYNKREYLVNFIKDFIST-FPQ 747
QY 301 GYFKFL-RSEAVAOIWMGQKKNSMTYEKLSRAMRYI-YKREILERVDCRR-LV-YKFG- 355
DB 748 KELEEMK 754
QY 356 KNSSGWK 362

Search completed: Thu Jan 13 09:32:07 2000
Job time : 25 secs.